AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A ~~computer-readable~~recording medium having a data structure for managing playback control of video data having multiple reproduction paths, comprising:

a data area ~~configured to store~~storing a stream file including the video data;

a playlist area storing a first playlist file and a second playlist file including at least one playitem identifying a playing interval in a clip of the video data respectively, the first and second playlist files identifying video data of different reproduction paths from each other, and the playing interval including an IN-point and OUT-point indicating positions of the clip; and

a navigation area ~~configured to store a~~storing a navigation file including first and second~~plurality of~~ navigation segments, the first navigation segment and the second navigation segment ~~including at least one navigation command for~~ launching the first[[a]] playlist[[,]] file and the second playlist file ~~the playlist including a playitem indicating a playing interval in a clip of the video data, and the navigation segments including a first navigation segment and a second navigation segment,~~by using a first navigation command and a second navigation command, respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data.

~~wherein the navigation commands included in the first navigation segment and the second navigation segment launch different playlists respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data.~~

2. (Currently Amended) The ~~computer-readable~~recording medium of claim 1, wherein the <u>multiple reproduction paths</u> ~~first navigation segment and the second navigation segment~~ constitute a branch structure ~~in the reproduction paths of the title~~.

3. (Currently Amended) The ~~computer-readable~~recording medium of claim 2, wherein a branch point of the branch structure is a boundary of <u>the playlist file</u>~~playlists~~.

4-6. (Canceled)

7. (Currently Amended) The ~~computer-readable~~recording medium of claim 1, further comprising:

    ~~a playlist area for storing the at least one playlist; and~~

    a clip information file area [[for]]storing at least one clip information file associated with the <u>stream file</u>~~video data~~.

8-12. (Canceled)

13. (Currently Amended) A method of recording a data structure for managing playback control of video data <u>having multiple reproduction paths</u> recorded on a ~~computer-readable~~recording medium, comprising:

recording ~~a stream file including~~ the video data in a data area of the ~~computer-readable~~recording medium;

recording a first playlist file and a second playlist file including at least one playitem identifying a playing interval in the stream file respectively in a playlist area of the recording medium, the first and second playlist files identifying video data having different reproduction paths from each other, and the playing interval including an IN-point and OUT-point indicating positions of the clip; and

recording a navigation file including a first and second ~~plurality of~~ navigation segments ~~including at least one navigation command~~ in a navigation area of the ~~computer-readable~~recording medium, the first navigation segment and the second navigation segment ~~the navigation command~~ launching [[a]]the first playlist file and the second playlist file by using a first navigation command and a second navigation command, respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data~~, the playlist including a playitem indicating a playing interval in a clip of the video data, and the navigation segments including a first navigation segment and a second navigation segment,~~

~~wherein the navigation commands included in the first navigation segment and the second navigation segment launch different playlists respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data.~~

14. (Currently Amended) A method of reproducing a data structure for managing playback control of video data having multiple reproduction paths recorded in a ~~computer-readable~~recording medium, comprising:

reproducing a stream file of the video data from a data area of the computer-readablerecording medium

reproducing a first playlist file and a second playlist file including at least one playitem identifying a playing interval in the stream file respectively from in a playlist area of the recording medium, the first and second playlist files identifying video data having different reproduction paths from each other, and the playing interval including an IN-point and OUT-point indicating positions of the clip; and

reproducing a navigation file including a plurality of first and a second navigation segments including at least one navigation command from a navigation area of the computer-readablerecording medium, the navigation command launching a playlist, the playlist including a playitem indicating a playing interval in a clip of the video data, and the navigation segments including athe first navigation segment and [[a]]the second navigation segment launching the first playlist file and the second playlist file by using a first navigation command and a second navigation command respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data.;

wherein the navigation commands included in the first navigation segment and the second navigation segment launch different playlists respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data.

15. (Currently Amended) An apparatus for recording a data structure for managing playback control of video data having multiple reproduction paths recorded on a computer-readablerecording medium, comprising:

a recording unitpickup configured to record a stream file of the video data in a data area of the computer-readablerecording medium;

a controller, ~~operably coupled to the recording unit,~~ configured to control the

~~recording unit~~pickup to record a first playlist file and a second playlist file including at

least one playitem identifying a playing interval in the stream file respectively in a

playlist area of the recording medium, the first and second playlist files identifying

video data having different reproduction paths from each other, and the playing

interval including an IN-point and OUT-point indicating positions of the clip, and to

record a navigation file including a ~~plurality of~~first and a second navigation segments

~~including at least one navigation command~~ in a navigation area of the ~~computer-

readable~~recording medium, the first navigation segment and the second navigation

segment~~the navigation command~~ launching [[a]]the first playlist file and the second

playlist file by using a first navigation command and a second navigation command,

respectively such that the first navigation segment and the second navigation segment

represent different reproduction paths of a title of the video data.~~, the playlist

including a playitem indicating a playing interval in a clip of the video data, and the

navigation segments including a first navigation segment and a second navigation

segment,~~

~~wherein the navigation commands included in the first navigation segment and

the second navigation segment launch different playlists respectively such that the

first navigation segment and the second navigation segment represent different

reproduction paths of a title of the video data.~~

16. (Currently Amended) An apparatus for reproducing a data structure for managing

playback control of video data having multiple reproduction paths recorded in a

~~computer-readable~~recording medium, comprising:

a ~~reproducing unit~~pickup configured to reproduce a stream file of the video data

from a data area of the ~~computer-readable~~recording medium; and

a controller, ~~operably coupled to the reproducing unit,~~ configured to control the ~~reproducing unit~~pickup to reproduce a first playlist file and a second playlist file including at least one playitem identifying a playing interval in the stream file respectively ~~from~~ in a playlist area of the recording medium, the first and second playlist files identifying video data having different reproduction paths from each other, and the playing interval including an IN-point and OUT-point indicating positions of the clip, and to reproduce a navigation file including ~~a plurality of~~first and second navigation segments ~~including at least one navigation command~~ from a navigation area of the ~~computer-readable~~recording medium, ~~the navigation command launching a playlist, the playlist including a playitem indicating a playing interval in a clip of the video data, and the navigation segments including a~~the first navigation segment and [[a]]the second navigation segment, launching the first playlist file and the second playlist file by using a first navigation command and a second navigation command, respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data.

~~wherein the navigation commands included in the first navigation segment and the second navigation segment launch different playlists respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data.~~

17. (Currently Amended) The method of claim 13, wherein the multiple reproduction paths ~~first navigation segment and the second navigation segment~~ constitute a branch structure ~~in the reproduction paths of the title~~.

18. (Currently Amended) The method of claim 13, wherein a branch point of the branch structure is a boundary of the playlist file.

19. (Canceled)

20. (Currently Amended) The method of claim 14, wherein the <u>multiple reproduction paths</u> ~~first navigation segment and the second navigation segment~~ constitute a branch structure ~~in the reproduction paths of the title~~.

21. (Currently Amended) The method of claim 14, wherein a branch point of the branch structure is a boundary of <u>the</u> playlist <u>file</u>.

22. (Canceled)

23. (Currently Amended) The apparatus of claim 15, wherein the <u>multiple reproduction paths constitute</u> ~~controller is further configured to control the recording unit to record~~ a branch structure ~~in the reproduction paths of the title~~.

24. (Canceled)

25. (Currently Amended) The apparatus of claim 16, wherein the ~~controller is further configured to control the reproducing unit to reproduce~~ <u>multiple reproduction paths constitute</u> a branch structure ~~in the reproduction of the paths of the title~~.

26. (Canceled)